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F FENT COOPERATION TREAT '

	From the INTERNATIONAL BUREAU
PCT	То:
NOTIFICATION OF ELECTION (PCT Rule 61.2)	Assistant Commissioner for Patents United States Patent and Trademark Office Box PCT Washington, D.C.20231 ETATS-UNIS D'AMERIQUE
Date of mailing (day/month/year) 29 August 2000 (29.08.00)	in its capacity as elected Office
International application No. PCT/AU99/01164	Applicant's or agent's file reference 2244754/LKA
International filing date (day/month/year) 24 December 1999 (24.12.99)	Priority date (day/month/year) 24 December 1998 (24.12.98)
Applicant KELSO, Richard, Malcolm et al	
1. The designated Office is hereby notified of its election made X in the demand filed with the International Preliminary 21 July 2000 (2	Examining Authority on: 21.07.00) ational Bureau on:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

F. Baechler

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

P TENT COOPERATION TREAT

	From the INTERNATIONAL BUREAU
PCT	То:
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422) Date of mailing (day/month/year) 06 October 2000 (06.10.00)	HENSHAW, Damon 1 Little Collins Street Melbourne, Victoria 3000 AUSTRALIE
Applicant's or agent's file reference	IMPORTANT NOTIFICATION
2244754/LKA	
International application No. PCT/AU99/01164	International filing date (day/month/year) 24 December 1999 (24.12.99)
The following indications appeared on record concerning: X the applicant X the inventor	the agent the common representative
Name and Address	State of Nationality State of Residence
MOHD GHAZALI, Badrulhisham University of Adelaide Department of Mechanical	MY AU Telephone No.
Engineering Adelaide, South Australia 5005 Australia	Facsimile No.
	Teleprinter No.
2. The International Bureau hereby notifies the applicant that th	e following change has been recorded concerning:
the person X the name the add	ress the nationality the residence
Name and Address	State of Nationality State of Residence
BUDRULHISHAM, Moohd, Ghazali University of Adelaide	MY AU Telephone No.
Department of Mechanical Engineering	
Adelaide, South Australia 5005 Australia	Facsimile No.
	Teleprinter No.
2 Fundamental Management	
3. Further observations, if necessary:	
4. A copy of this notification has been sent to:	*
X the receiving Office	the designated Offices concerned
the International Searching Authority	X the elected Offices concerned
the International Preliminary Examining Authority	other:
T	Authorized officer
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Margret Fourne-Godbersen
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

REC'D 0 4 AUG 2000

PCT

AL PRELIMINARY EXAMINATION REPORT INTERNATI

SIEC

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2244754	FOR FURTHER ACTION		ransmittal of International Preliminary (Form PCT/IPEA/416).
International application No.	International filing da	te (day/month/year)	Priority Date (day/month/year)
PCT/AU99/01164	24 December 1999		24 December 1998
International Patent Classification (IPC)	or national classification	on and IPC	
Int. Cl. ⁷ F23D 14/24, 14/62; B01F	F 3/00, 5/00		
Applicant LUMINIS PTY LTD et al			
This international preliminary Authority and is transmitted to			International Preliminary Examining
2. This REPORT consists of a to	tal of 3 sheets, inclu-	ding this cover sheet.	,)
	he basis for this report a	ind/or sheets containing	iption, claims and/or drawings which have rectifications made before this Authority ler the PCT).
These annexes consist of a tot	al of sheet(s).		
3. This report contains indications relat	ing to the following iter	ms:	
I X Basis of the report	rt .		
II Priority			
III Non-establishmer	nt of opinion with regar	d to novelty, inventive	step and industrial applicability
IV Lack of unity of i	nvention		
1 1 1	ent under Article 35(2) lanations supporting su	_	inventive step or industrial applicability;
VI Certain documen	ocuments cited		
VII Certain defects in	n the international application		
VIII Certain observations on the international application			
Date of submission of the demand 21 July 2000		Date of completion of the 27 July 2000	e report
Name and mailing address of the IPEA/AU		Authorized Officer	
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUST E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	RALIA	B. PREMARATNE	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

_		
5/ A	U99/0	1164
	いしフフバリ	1104

I.	Basis of the report
1.	With regard to the elements of the international application:*
	X the international application as originally filed.
	the description, pages, as originally filed,
	pages , filed with the demand,
	pages, received on with the letter of
	the claims, pages, as originally filed,
	pages , as amended (together with any statement) under Article 19,
	pages , filed with the demand,
	pages, received on with the letter of
	the drawings, pages, as originally filed,
	pages , filed with the demand,
	pages, received on with the letter of
	the sequence listing part of the description:
	pages , as originally filed
	pages, filed with the demand pages, received on with the letter of
	• • •
2.	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.
	These elements were available or furnished to this Authority in the following language which is:
	the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
	the language of publication of the international application (under Rule 48.3(b)).
	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, was on the basis of the sequence listing:
	contained in the international application in written form.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority in written form.
	furnished subsequently to this Authority in computer readable form.
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished
4.	The amendments have resulted in the cancellation of:
	the description, pages
	the claims, Nos.
	the drawings, sheets/fig.
5.	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
*	Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).
**	Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Claims

Claims

Claims 1 - 32

International application No.

NO

YES

NO

T/AU99/01164

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		tive step or industrial applicability;
1.	Statement		
	Novelty (N)	Claims 1 - 32	YES
	•	Claims	NO
:	Inventive step (IS)	Claims 1 - 32	YES

2. Citations and explanations (Rule 70.7)

Industrial applicability (IA)

Claims 1-32 meet the criteria set forth in PCT Articles 33(2) - (3) because the prior art published before the priority date does not disclose or fairly suggest a fluid mixing device as claimed in the above claims. The claims also meet the criteria set forth in PCT Article 33(4) because the fluid mixing device is industrially applicable.

Original (for SUBMISSION) - printed on 24.12.1999 12:08:16 PM

0 0-1	For rec iving Office use nly International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0.4	Form - PCT/RO/101 PCT Request	
0 -4 0-4-1	Prepared using	PCT-EASY Version 2.84 (updated 01.07.1999)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Australian Patent Office (RO/AU)
0-7	Applicant's or agent's file reference	2244754/LKA
	Title of invention	FLUID MIXING DEVICE
11	Applicant	
I-1	This person is:	applicant only
I-2	Applicant for	all designated States except US
I -4	Name	LUMINIS PTY LTD
II-5	Address:	_
		1st Floor
		10-20 Puteney Street
		Adelaide, South Australia 5000
		Australia
1-6	State of nationality	AU
I-7	State of residence	AU
i-8	Telephone No.	_
I-9	Facsimile No.	
I-10	e-mail	
 -1 -1-1	Applicant and/or inventor This person is:	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	KELSO, Richard, Malcolm
III-1-5	Address:	
I-Đ	Audiess.	175 Stephen Monnego
		175 Stephen Terrace
		Walkerville, South Australia 5081
4 -		Australia
III-1 <i>-</i> 6	State of nationality	AU
III-1-7	State of residence	AU

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111-2 Applicant and/or invent r 111-2-1 This person is: applicant and inventor 111-2-2 Applicant for US only 111-2-4 Name (LAST, First) LANSPEARY, Peter, Vernon **III-2-5** Address: 1 Ozone Court Paradise, South Australia 5075 Australia 111-2-6 State of nationality AU 111-2-7 State of residence AU III-3 Applicant and/or inventor This person is: 111-3-1 applicant and inventor III-3-2 Applicant for US only III-3-4 Name (LAST, First) NATHAN, Graham, J 111-3-5 Address: 21 Wolseley Road Blackwood, South Australia 5051 Australia 111-3-6 State of nationality AU 111-3-7 State of residence AU 111-4 Applicant and/or inventor III-4-1 This person is: applicant and inventor 111-4-2 Applicant for US only 111-4-4 Name (LAST, First) PARHAM, Jordan, James Address: III-4-5 4 Moulden Street Norwood, South Australia 5067 Australia 111-4-6 State of nationality AU 111-4-7 State of residence AU 111-5 Applicant and/or inventor This person is: III-5-1 applicant only 111-5-2 Applicant for all designated States except US III-5-4 Name (LAST, First) HILL, Steven, J Address: 111-5-5 20 Albert Street Prospect, South Australia 5082 Australia 111-5-6 State of nationality AU 111-5-7 State of residence AU



PCT REQUEST

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111-6	Applicant and/or invent r	T
III-6 III-6-1	This person is:	applicant and inventor
III-6-2	Applicant for	US only
III-6-4	Name (LAST, First)	KELLY, Graham
111-6-5	Address:	-
		51 Francis Street
		North Brighton, South Australia 5048
		Australia
III-6-6	State of nationality	AU
III-6-7	State of residence	AU
III-7	Applicant and/or inventor	
III-7-1	This person is:	applicant and inventor
111-7-2	Applicant for	US only
111-7-4	Name (LAST, First)	CUTLER, Philip, Robert, Edward
111-7-5	Address:	-
		3/74 Gilbert Street
		Gilberton, South Australia 5081
		Australia
111-7-6	State of nationality	AU
111-7-7	State of residence	AU
III-8	Applicant and/or inventor	
III-8-1	This person is:	applicant and inventor
III-8-2	Applicant for	US only
111-8-4	Name (LAST, First)	MOHD GHAZALI, Budrulhisham
111-8-5	Address:	C/O Department of Mechanical
		Engineering
		University of Adelaide
		Adelaide, South Australia 5005
	ł	Australia
111-8-6	State of nationality	MY .
111-8-7	State of residence	AU
IV-1	Agent or common representative; or	
	address for correspondence The person identified below is	:
	hereby/has been appointed to act on	agent
	behalf of the applicant(s) before the competent International Authorities as:	
IV-1-1	Name (LAST, First)	HENSHAW, Damon
IV-1-2	Address:	-
		1 Little Collins Street
		Melbourne, Victoria 3000
		Australia
IV-1-3	Telephone No.	+61 3 9254 2777
IV-1-4	Facsimile No.	+61 3 9254 2770
IV-1-5	e-mail	dhenshaw@davies.com.au
	<u> </u>	1



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IV-2 Additional agent(s) agent	
IV-2-1 Name (LAST, First) HIND, Raymond, S	
IV-2-2 Address: 1 Little Collins Stre	et
Melbourne, Victoria 3	
Australia	
IV-2-3 Telephone No. +61 3 9254 2777	
IV-2-4 Facsimile No. +61 3 9254 2770	
IV-3 Additional agent(s) agent	
IV-3-1 Name (LAST, First) HUNTSMAN, Peter, H	
IV-3-2 Address: 1 Little Collins Street	et
Melbourne, Victoria 30	
Australia	
IV-3-3 Telephone No. +61 3 9254 2777	
IV-3-4 Facsimile No. +61 3 9254 2770	
V Designation of States	
V-1 Regional Patent AP: GH GM KE LS MW SD	SL SZ UG ZW and
(other kinds of protection or treatment, if any, are specified between parentheses any other State which	· · · · · · · · · · · · · · · · · · ·
after the designation(s) concerned) State of the Harare Pr	cotocol and of the
PCT	
EA: AM AZ BY KG KZ MD	RU TJ TM and any
other State which is a	a Contracting State
of the Eurasian Patent	Convention and of
the PCT	
EP: AT BE CHELI CY DE	DK ES FI FR GB GR
IE IT LU MC NL PT SE a	
which is a Contracting	
European Patent Conver	ntion and of the
PCT	
OA: BF BJ CF CG CI CM	GA GN GW ML MR NE
SN TD TG and any other	
member State of OAPI	and a Contracting
State of the PCT	
V-2 National Patent (other kinds of protection or treatment, if	
any are specified between parentheses CHELL CN CR CU CZ DE I	
after the designation(s) concerned) GD GE GH GM HR HU ID	
KP KR KZ LC LK LR LS	•
I NOT NOT NOT NOT DO TO	
	RO RU SD SE SG SI
SK SL TJ TM TR TT TZ	



PCT REQUEST

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V-5	Precautionary D signation Statement		
V-0	In addition to the designations made		
	under items V-1, V-2 and V-3, the		
	applicant also makes under Rule 4.9(b)		
	all designations which would be	1	
	permitted under the PCT except any		
	designation(s) of the State(s) indicated	1	
	under item V-6 below. The applicant		
	declares that those additional		
	designations are subject to confirmation	ļ	
	and that any designation which is not	J	
	confirmed before the expiration of 15		
	months from the priority date is to be regarded as withdrawn by the applicant		
	at the expiration of that time limit.		
V-6	Exclusion(s) from precautionary	NONE	
V-0	designations	NONE	
VI-1	Priority claim of earlier national		
VI-1	application		
VI-1-1	Filing date	24 December 1998 (24	12 1998)
VI-1-2	Number	PP7936	
VI-1-3	Country	AU	
		AU	
VI-2	Priority document request		
	The receiving Office is requested to	VI-1	
	prepare and transmit to the International		
	Bureau a certified copy of the earlier		
	application(s) identified above as item(s):		
VII-1	International Searching Authority	Australian Patent Of:	Fice (TSA/AII)
VIII-1	Chosen	Australian ratem or	
VIII	Check list	number of sheets	electronic file(s) attached
VIII-1	Request	6	-
VIII-2	Description	12	_
VIII-3	Claims	4	-
VIII-4	Abstract	1	2244754.txt
VIII-5	Drawings	12	-
VIII-7	TOTAL	35	
	Accompanying items	paper document(s) attached	electronic file(s) attached
VIII-8	Fee calculation sheet	√	_
VIII-16	PCT-EASY diskette	-	diskette
VIII-18	Figure of the drawings which should accompany the abstract	2	•
VIII-19	Language of filing of the international application	English	
IX-1	Signature of applicant or agent	900	
IX-1-1	Name (LAST, First)	HENSHAW, Damon	

FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the	
	purported international application	
		



PCT REQUEST

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2244754/LKA

10-2	Drawings:	
10-2-1	R ceived	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/AU
10-6	Transmittal of search copy delayed until search fee is paid	

FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by			
	the International Bureau	 	 	

PATENT COOPERATION TREATY

From the:

INTERNATIONAL PRELIMINARY EXAMINATE AUTHORITY

SDAY - 1 2019 2000

DA.

To:

DAVIES COLLISON CAVE
1 Little Collins Street
MELBOURNE VIC 3000

PCT

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

IMPORTANT NOTIFICATION

Date of mailing day/month/year

31 JUL 2000

Applicant's or agent's file reference

2244754

International filing date

Priority date

24 December 1998

International application No. PCT/AU99/01164

24 December 1999

Applicant

LUMINIS PTY LTD et al

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translations to those Offices.
- 4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide

Name and mailing address of the IPEA/AU

AUSTRALIAN PATENT OFFICE

PO BOX 200, WODEN ACT 2606, AUSTRALIA

E-mail address: pct@ipaustralia.gov.au

Facsimile No. (02) 6285 3929

Authorized officer

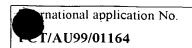
B. PREMARATNE



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

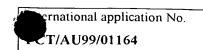
(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2244754	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416).				
International application No.	International filing da	ate (day/month/year)	Priority Date (day/month/year)			
PCT/AU99/01164	24 December 1999		24 December 1998			
International Patent Classification (IPC) or national classificat	ion and IPC				
Int. Cl. 7 F23D 14/24, 14/62; B01I	F 3/00, 5/00		*			
Applicant LUMINIS PTY LTD et al						
Authority and is transmitted t	o the applicant accordi	ng to Article 36.	International Preliminary Examining			
2. This REPORT consists of a to		_				
	he basis for this report	and/or sheets containing	ription, claims and/or drawings which have g rectifications made before this Authority der the PCT).			
These annexes consist of a tot	al of sheet(s).					
3. This report contains indications relat	ting to the following ite	ems:				
I X Basis of the repo	rt					
II Priority						
III Non-establishme	nt of opinion with rega	ard to novelty, inventive	step and industrial applicability			
IV Lack of unity of	invention					
1 1	ent under Article 35(2) blanations supporting si	_	inventive step or industrial applicability;			
VI Certain documer	nts cited					
VII Certain defects in	n the international appl	lication				
VIII Certain observati	ions on the internation	al application				
Date of submission of the demand 21 July 2000		Date of completion of t 27 July 2000	he report			
Name and mailing address of the IPEA/AU		Authorized Officer				
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUST E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	ΓRALIA	B. PREMARATNE				



I.	Basis of the report	
1.		ents of the international application:*
	X the international a	pplication as originally filed.
	the description,	pages , as originally filed,
		pages, filed with the demand,
		pages, received on with the letter of
	the claims,	pages , as originally filed,
		pages , as amended (together with any statement) under Article 19,
		pages, filed with the demand, pages, received on with the letter of
	the drawings,	pages, received on with the letter of pages, as originally filed,
		pages, filed with the demand,
		pages, received on with the letter of
	the sequence listin	g part of the description:
		pages , as originally filed
		pages , filed with the demand
		pages, received on with the letter of
2.	which the international a These elements were available.	age, all the elements marked above were available or furnished to this Authority in the language in pplication was filed, unless otherwise indicated under this item. ilable or furnished to this Authority in the following language which is: ranslation furnished for the purposes of international search (under Rule 23.1(b)).
	브	blication of the international application (under Rule 48.3(b)).
	the language of the and/or 55.3).	e translation furnished for the purposes of international preliminary examination (under Rules 55.2
3.	the sequence listing:	otide and/or amino acid sequence disclosed in the international application, was on the basis of
	contained in the in	ternational application in written form.
		the international application in computer readable form.
	-	ently to this Authority in written form.
	<u> </u>	ently to this Authority in computer readable form.
		the subsequently furnished written sequence listing does not go beyond the disclosure in the cation as filed has been furnished.
	The statement that been furnished	the information recorded in computer readable form is identical to the written sequence listing has
4.	The amendments	have resulted in the cancellation of:
	the descript	tion, pages
	the claims,	Nos.
	the drawing	gs, sheets/fig.
5.	to go beyond the d	en established as if (some of) the amendments had not been made, since they have been considered isclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
*	report as "originally filed"	nave been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).
**	Any replacement sheet cont	aining such amendments must be referred to under item 1 and annexed to this report

INTERNATIONAL PRELIMENT EXAMINATION REPORT



V.	Reasoned statement under Accitations and explanations sup	rticle 35(2) with regard to novelty, investing such statement	entive step or industrial applicability;
1.	Statement		
	Novelty (N)	Claims 1 - 32	YES
		Claims	NO
	Inventive step (IS)	Claims 1 - 32	YES
		Claims	NO
	Industrial applicability (IA)	Claims 1 - 32	YES
		Claims	NO

2. Citations and explanations (Rule 70.7)

Claims 1-32 meet the criteria set forth in PCT Articles 33(2) - (3) because the prior art published before the priority date does not disclose or fairly suggest a fluid mixing device as claimed in the above claims. The claims also meet the criteria set forth in PCT Article 33(4) because the fluid mixing device is industrially applicable.

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							•			F-3	4. 146.

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY Agent NOTIFICATION OF RECEIPT OF DEMAND BY COMPETENT INTERNATION DAVIES COLLISON CAVE 1 Little Collins Street MELBOURNE VIC 3000 PRELIMINARY EXAMINING AUTHORITY (PCT Rule 59.3(e) and 61.1(b), first sentence and Administrative Instructions, Section 601(a)) Date of mailing 26 JUL 2000 (26/7/00)(day/month/year) Applicant's or agent's file reference IMPORTANT NOTIFICATION 2244754 International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/AU99/01164 24 DEC 1999 (24/12/99)24 DEC 1998 (24/12/98) Applicant Luminis Pty Ltd (et al.) 1. The applicant is hereby motified that this International Preliminary Examining Authority considers the following date as the date of receipt of the demand for international preliminary examination of the international application: 21 JUL 2000 (21/7/00) 2. That date of receipt is: the actual date of receipt of the demand by this Authority (Rule 61.1(b)). the actual date of receipt of the demand on behalf of this Authority (Rule 59.3(e)). the date on which this Authority has, in response to the Invitation to correct defects in the demand (Form PCT/IPEA/404), received the required corrections. 3. Attention: That date of receipt is AFTER the expiration of 19 months from the priority date. Consequently, the elections(s) made in the demand does (do) not have the effect of postponing the entry into the national phase until 30 months from the priority date (or later in some Offices) (Article 39(1)). Therefore, the acts for entry into the national phase must be performed within 20 months from the priority date (or later in some Offices) (Article 22). For details, see the PCT Applicant's Guide, Volume II. (If applicable) This notification confirms the information given by telephone, facsimile transmission or in person on: 4. Only where paragraph 3 applies, a copy of this notification has been sent to the International Bureau. Name and mailing address of the IPEA/AU Authorized officer JOHN COLDWELL AUSTRALIAN PATENT FFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA 02 6283 2357 E-mail: pct@ipaustralia.gov.au

Telephone No.

CHAPTER II

DEMAND

under Article 31 of the Patent Cooperation Treaty: The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty and hereby elects all eligible States (except where otherwise indicated).

Fo	r International Preliminary	y Examining Authori	ty use only		
Identification of IPEA		Date of receipt of DEMAND			
Box No. 1 IDENTIFICATION OF T	HE INTERNATIONAL	Applicant's or agent's file reference			
International application No. PCT/AU99/01164	International filing date 24 December 199 (24, 12, 99)		(Earliest) Priority date (day/month/year) 24 December 1998 . (24,12,98)		
FLUID MIXING DEVICE	•				
Box No. II APPLICANT(S)					
	given name: for a legalentity, fu postal code and name of country	ll official designation. .)	Telephone No.:		
LUMINIS PTY LTD 1st Floor 10-20 Pulteney Street			Facsimile No.:		
Adelaide South Australia Australia	a 5000		Teleprinter No.:		
State (that is, country) of nationality:		State (that is, count			
Australia		Austra	lia The addressmust include postal code and name of country.)		
KELSO, Richard, Malcolm 175 Stephen Terrace Walkerville, South Austra Australia			:		
State (that is, country) of nationality:		State (that is, cour	ntry) of residence:		
Auctralia		Austra			
Name and address: (Familyname followed by LANSPEARY, Peter, Vernon 1 Ozone Court Paradise, South Australi Australia		full officialdesignation.	The addressmust include postal code and name of country		
State (that is, country) of nationality:			<i>untry)</i> of residence: stralia		
7.43014114					

Sheet No. 2...

International application No.

PCT/AU99/01164

Continuation of Box No. II APPLICANT(S)

If none of the following sub-boxes is used, this sheet should not be included in the demand.

Name and address: (Familyname followed by given name: for a legal entity. full official designation. The address must include postal code and name of country.)

NATHAN, Graham, J 21 Wolseley Road Blackwood, South Australia 5051 Australia

State (that is. country) of nationality:

State (that is, country) of residence:

Australia

Australia

Name and address: (Familyname followed by given name: for a legalentity, full official designation. The address must include postal code and name of country.)

PARHAM, Jordan, James 4 Moulden Street Norwood, South Australia 5067 Australia

State (that is, country) of nationality:

State (that is, country) of residence:

Australia

Australia

Name and address: (Family name followed by given name: for a legalentity, full official designation. The address must include postal code and name of country.)

HILL, Steven, J 20 Albert Street Prospect, South Australia 5082 Australia

State (that is, country) of nationality:

State (that is, country) of residence:

Australia

Australia

Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country.)

KELLY, Graham 51 Francis Street North Brighton, South Australia 5048 Australia

State (that is, country) of nationality:
Australia

State (that is, country) of residence:

Australia

Further applicants are indicated on another continuation sheet.

Sheet No. 3...

International application No. PCT/AU99/01164

Name of the state					
Continuation of Box No. II APPLICANT(S)					
If none of the following sub-boxes is used,	this sheet should not be included in the demand.				
Name and address: (Familynamefollowedbygivenname: foralegalentity CUTLER, Philip, Robert, Edward 3/74 Gilbert Street Gilberton, South Australia 5081 Australia	ry, full official designation. The address must include postal code and name of country.)				
State (that is, country) of nationality:	State (that is, country) of residence:				
Australia	Australia				
MOHD GHAZALI, Badrulhisham C/O Department of Mechanical Engineering University of Adelaide Adelaide, South Australia 5005 Australia					
	State (that is, country) of residence:				
State (that is, country) of nationality: Malaysia	Australia				
	full official designation. The address must include postal code and name of country.) • • •				
State (that is, country) of nationality:	State (that is, country) of residence:				
Name and address: (Family name followed by given name: for a legal entition of the second sec	ty, full official de signation. The address must include postal code and name of country.)				
State (that is, country) of nationality:	State (that is, country) of residence:				



International application No. PCT/AU99/01164

BOX NO. III AGENT OR COMMON REPRESENTATIVE: OR ADDRESS FOR CO	BOX NO. III AGENT OR COMMON REPRESENTATIVE: OR ADDRESS FOR CORRESPONDENCE					
The following person is x agent common representative	·					
and x has been appointed earlier and represents the applicant(s) also for international pr	eliminary examination.					
is hereby appointed and any earlier appointment of (an) agent(s)/common represe	ntative is hereby revoked.					
is hereby appointed, specifically for the procedure before the International Prelim	1					
the agent(s)/common representative appointed earlier.						
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country.)	Telephone No.:					
HENSHAW, Damon 1 Little Collins Street	+613 9254 2777					
HIND, Raymond, S Melbourne Victoria 3000	Facsimile No.:					
HUNTSMAN, Peter, H Australia	+613 9254 2770					
	Teleprinter No.:					
	1.2.					
Address for correspondence: Mark this check-box where no agent or common re space above is used instead to indicate a special address to which correspondence	presentative is/has been appointed and the should be sent.					
Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION						
Statement concerning amendments:						
1. The applicant wishes the international preliminary examination to start on the basis of:						
the international application as originally filed						
the description X as originally filed						
as amended under Article 34						
the claims X as originally filed						
as amended under Article 19 (together with any accompanying	statement)					
as amended under Article 34						
the drawings X as originally filed						
as amended under Article 34						
2. The applicant wishes any amendment to the claims under Article 19 to be considered as reversed.						
The applicant wishes the start of the international preliminary examination to be postponed until the expiration of 20 months from the priority date unless the International Preliminary Examining Authority receives a copy of any amendments made under Article 19 or a notice from the applicant that he does not wish to make such amendments (Rule 69.1(d)). (This checkbox may be marked only where the time limit under Article 19 has not yet expired.)						
Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended.						
Language for the purposes of international preliminary examination: Englis	sh					
which is the language in which the international application was filed.						
which is the language of a translation furnished for the purposes of internat	ional search.					
which is the language of publication of the international application.	de la colonia de comination					
which is the language of the translation (to be) furnished for the purposes of int	emational preliminary examination.					
Box No. V ELECTION OF STATES						
The applicant hereby elects all eligible States (that is, all States which have been design the PCT)	nated and which are bound by Chapter II of					
excluding the following States which the applicant wishes not to elect:						



Sheet No. .5.

International application No. PCT/AU99/01164

B x No. VI CHECK LIST		F r Internati	onal Preliminary			
The demand is accompanied by the following elements, in the lange Box No. IV, for the purposes of international preliminary examinates and the second	guage referred to in nation:		uthority use only			
1. translation of international application :	sheets					
2. amendments under Article 34	sheets					
copy (or, where required, translation) of amendments under Article 19	sheets					
4. copy (or, where required, translation) of statement under Article 19	sheets					
5. letter :	sheets					
6. other (specify)	sheets					
The demand is also accompanied by the item(s) marked below:						
1. fee calculation sheet		plaining lack of signa	· 1			
2. separate signed power of attorney		nd or amino acid sequ adable form	ence listing in			
copy of general power of attorney; reference number, if any:	6. other (speci	5y):				
Box No. VII SIGNATURE OF APPLICANT, AGENT OR CO						
Next to each signature, indicate the name of the person signing and the capacity in	which the personsigns (if s	uch capacity is not obvious	from reading the demand).			
1 %) [_						
HUNTSMAN, Peter For and on beha	, H alf of the App	licant				
		:				
For International Preliminary	Examining Authority	use only				
Date of actual receipt of DEMAND:						
2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):						
from the priority date and item 4 or 5, below, does no	The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply. The applicant has been informed accordingly.					
4. The date of receipt of the demand is WITHIN the portion Rule 80.5.	eriod of 19 m nths fr	om the priority date a	s extended by virtue of			
5. Although the date of receipt of the demand is after the is EXCUSED pursuant to Rule 82.	e expiration of 19 mo	nths from the priority	date. the delay in arrival			
	al Bureau use only 🕳					
Demand received from IPEA on:						

PCT/AU99/01164

From the INTERNATIONAL BUREAU PCT WEDNESUAT, 3 MAY 2000 NOTIFICATION OF THE RECORDING **OF A CHANGE** HENSHAW, Damon 1 Little Collins Street (PCT Rule 92bis.1 and Melbourne, Victoria 3000 Administrative Instructions, Section 422) **AUSTRALIE** Date of mailing (day/month/year) 19 April 2000 (19.04.00) Applicant's or agent's file reference **IMPORTANT NOTIFICATION** 2244754/LKA International filing date (day/month/year) International application No. 24 December 1999 (24.12.99) PCT/AU99/01164 1. The following indications appeared on record concerning: the inventor the agent the common representative the applicant State of Nationality State of Residence Name and Address AU AU **LUMINIS PTY. LTD.** 1st Floor Telephone No. 10-20 Puteney Street Adelaide, South Australia 5000 Australia Facsimile No.

the person the name X the address	the nationality	the residence				
Name and Address	State of Nationality	State of Residence				
LUMINIS PTY. LTD.	AU	AU				
1st Floor	Telephone No.					
10-20 Pulteney Street Adelaide, South Australia 5000		•				
Australia	Facsimile No.					
	-					
	Teleprinter No.					
3. Further observations, if necessary:						
4. A copy of this notification has been sent to:						
X the receiving Office	the designated Offic	es concerned				
the International Searching Authority	the elected Offices of	oncerned				

Authorized officer

Telephone No.: (41-22) 338.83.38

Sean Taylor

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

Teleprinter No.

The International Bureau of WIPO 34, chemin des Colombettes

1211 Geneva 20. Switzerland



PCT

NOTIFICATION OF THE RECORDING OF A CHANGE

(PCT Rule 92bis.1 and Administrative Instructions, Section 422)

From	the	INTEF	RNAT	IONA	y B1	HEXI

HENSHAW, Damon 1 Little Collins Street Melbourne, Victoria 3000 **AUSTRALIE**

	,			
Date of mailing (day/month/year) 06 October 2000 (06.10.00)				
Applicant's or agent's file reference				
2244754/LKA	IMPORTANT NOTIFICATION			
International application No.	International filing date (day/month/year)			
PCT/AU99/01164	24 December 1999 (24.12.99)			
The following indications appeared on record concerning: X the applicant X the inventor	the agent the common representative			
Name and Address	State of Nationality State of Residence			
MOHD GHAZALI, Badrulhisham	MY AU			
University of Adelaide Department of Mechanical	Telephone No.			
Engineering Adelaide, South Australia 5005				
Australia	Facsimile No.			
	Teleprinter No.			
	releprinter No.			
2. The International Bureau hereby notifies the applicant that the	o following change has been recorded concerning:			
the person X the name the add				
Name and Address	State of Nationality State of Residence			
BUDRULHISHAM, Moohd, Ghazali	MY AU			
University of Adelaide Department of Mechanical	Telephone No.			
Engineering Adelaide, South Australia 5005				
Australia	Facsimile No.			
	Teleprinter No.			
	releprinter No.			
2 Europe about the contract of				
3. Further observations, if necessary:				
4. A copy of this notification has been sent to:				
X the receiving Office	the designated Offices concerned			
the International Searching Authority	X the elected Offices concerned			
the International Preliminary Examining Authority	other:			
	Authorized officer			
The International Bureau of WIPO 34, chemin des Colombettes	Margret Fourne-Godbersen			

Facsimile No.: (41-22) 740.14.35 Form PCT/IB/306 (March 1994)

1211 Geneva 20, Switzerland

Margret Fourne-Godbersen

Telephone No.: (41-22) 338.83.38



WO 00/39504 PCT/AU99/013

PCT

NOTICE INFORMING THE APPLICANT OF THE **COMMUNICATION OF THE INTERNATIONAL** APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

To: HENSHAW, Damon 1 Little Collins Street Melbourne, Victoria 3000 **AUSTRALIE**

THURSDAY, 2 0 JUL 2000

Date of mailing (day/month/year) 06 July 2000 (06.07.00) Applicant's or agent's file reference **IMPORTANT NOTICE** 2244754/LKA International filing date (day/month/year) Priority date (day/month/year) International application No. 24 December 1999 (24.12.99) 24 December 1998 (24.12.98) PCT/AU99/01164 **Applicant** LUMINIS PTY, LTD, et al

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice: AU, CN, JP, KP, KR, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

- 2. The following designated Offices have waived the requirement for such a communication at this time:
 - AE,AL,AM,AP,AT,AZ,BA,BB,BG,BR,BY,CA,CH,CR,CU,CZ,DE,DK,DM,EA,EE,EP,ES,FI,GB,GD,GE, GH,GM,HR,HU,ID,IL,IN,IS,KE,KG,KZ,LC,LK,LR,LS,LT,LU,LV,MA,MD,MG,MK,MN,MW,MX,NO,NZ, OA,PL,PT,RO,RU,SD,SE,SG,SI,SK,SL,TJ,TM,TR,TT,TZ,UA,UG,UZ,VN,YU,ZA,ZW
 The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the

applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on 06 July 2000 (06.07.00) under No. WO 00/39504

REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer J. Zahra
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.83.38